CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

IGH-MAFB Dual Fusion/Translocation FISH Probe Kit

Introduction

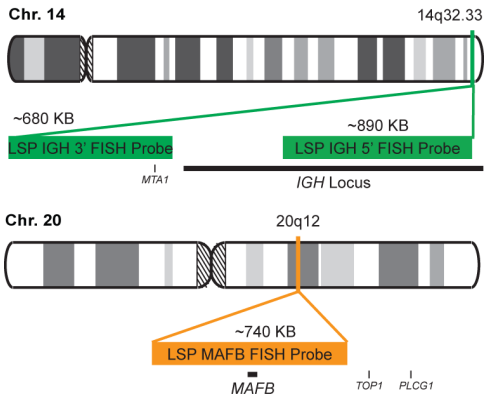
The IGH-MAFB Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human IGH locus and MAFB gene located on chromosome bands 14q32.33 and 20q12, respectively. Rearrangements between the two regions have been observed in multiple myeloma and other malignancies and conditions.

Intended Use

To detect rearrangements involving the human *IGH* locus and *MAFB* gene located on chromosome bands 14q32.33 and 20q12, respectively.

Cont.	Color
LSP IGH 5'-3' FISH Probe	CytoGreen
LSP MAFB FISH Probe	CytoOrange

Probe Design



Not to Scale

LSP IGH 5'-3' FISH Probe covers the 5' and the center sequences of the *IGH* locus, and it also covers the 3' (end) part and the neighboring downstream region. LSP MAFB FISH Probe covers a chromosomal region which includes the entire *MAFB* gene. The probe set is optimized to reveal translocations between the two regions.

Cat. No.	Volume
CT-PAC311-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Wang PW, et al. *Genes Chromosomes Cancer*. 21(2):75-81 (1998).
2) Lee LC, et al. *J Hand Surg Am*. 31(2):211-8 (2006).
3) Eychène A, et al. *Nat Rev Cancer*. 8(9):683-93 (2008).
4) Aziz A, et al. *Science*. 326(5954):867-71 (2009).
5) Vicente-Dueñas C, et al. *EMBO J*. 2012 Sep 12;31(18):3704-17 (2012).

-25°C -15°C CE IVD

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* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.